

RINSE SCREEN FOR A WATER BUCKET

Abstract of Disclosure

- 7 -A wash bucket screen has a slanting platform supported on a frustum skirt. The platform has a plurality of holes interspersed between raised ridges on the platform running radially generally toward its perimeter as an aid in releasing water from a cloth squeezed against the platform. To effectively prevent backsplash from the bucket bottom back through the screen, the holes taper from a diameter sized to readily collect water on the platform top to a smaller hole diameter on the platform bottom. The skirt includes a flange on its distal end that engages the bucket wall. To accommodate a frustum bucket with changing wall diameter, the skirt flexes resiliently with the flange engaging the bucket wall and the skirt flexing inward as the screen is inserted in a bucket with decreasing diameter. To allow movement of the skirt, a plurality of slits extend vertically, opening at the skirt distal end, providing an effective splash shield between the skirt and the bucket wall. A plurality of vertical channels open between the platform and the skirt distal end to conduct water and debris flowing from the platform to the bucket bottom.

Figures

Figure 1: A schematic diagram of the experimental setup. It shows a laser beam entering a fiber optic cable, which is connected to a photodetector. The diagram is labeled with various components and their connections.